

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 29, 2007

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor, Task Manager 

FROM: Karl R. Houskeeper, Environmental Scientist/Engineering, Team Lead 

RE: Left Fork Fan Area As-Built Map, Andalex Resources, Inc., Centennial Project, C/007/019, Task ID #2736

SUMMARY:

In 1995, information was submitted to the Division for the construction of three portals including a fan in the left fork of Dead Man Canyon to ventilate the Aberdeen Mine. Some confusion exists on the process at that time. Information on this construction is contained in Appendix W. Finalized documents including an updated Surface Facilities Map and appropriate bond calculations were never finalized and included into the mining and reclamation plan at that time. Two portals of the three were constructed in 1995.

During the summer of 2006, the company constructed the third portal. The location of the portal is in a different location than originally proposed, but remained in the disturbed area where the soil had been previously stripped. The drainage from this new portal is treated by the same structures already in place.

This memo will address the engineering section of this amendment. The bonding section was addressed by Task ID #2640, which preceded this Task (Task ID #2736).

TECHNICAL ANALYSIS:

OPERATION PLAN

MINING OPERATIONS AND FACILITIES

TECHNICAL MEMO

Analysis:

Two portals were constructed out of three in 1994 in the Left Fork of Dead Man Canyon. A third portal for ventilation was constructed in 2006. The mining and reclamation plan has information in Appendix W. This information was added into the main body of the mining and reclamation plan through Task ID #2736.

Findings:

Information provided in the mining and reclamation plan is considered adequate to meet the requirements of this section.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

Mining Facilities Maps

The surface facilities map Plate 6A depicts the facilities in the Left Fork of Dead Man Canyon.

Certification Requirements

Updates and changes to the Surface Facilities Map in Task ID #2736 are certified by a registered P.E. in the State of Utah.

Findings:

Information provided in the mining and reclamation plan is considered adequate to meet the requirements of this section.

RECOMMENDATIONS:

Task ID #2736 should be approved.